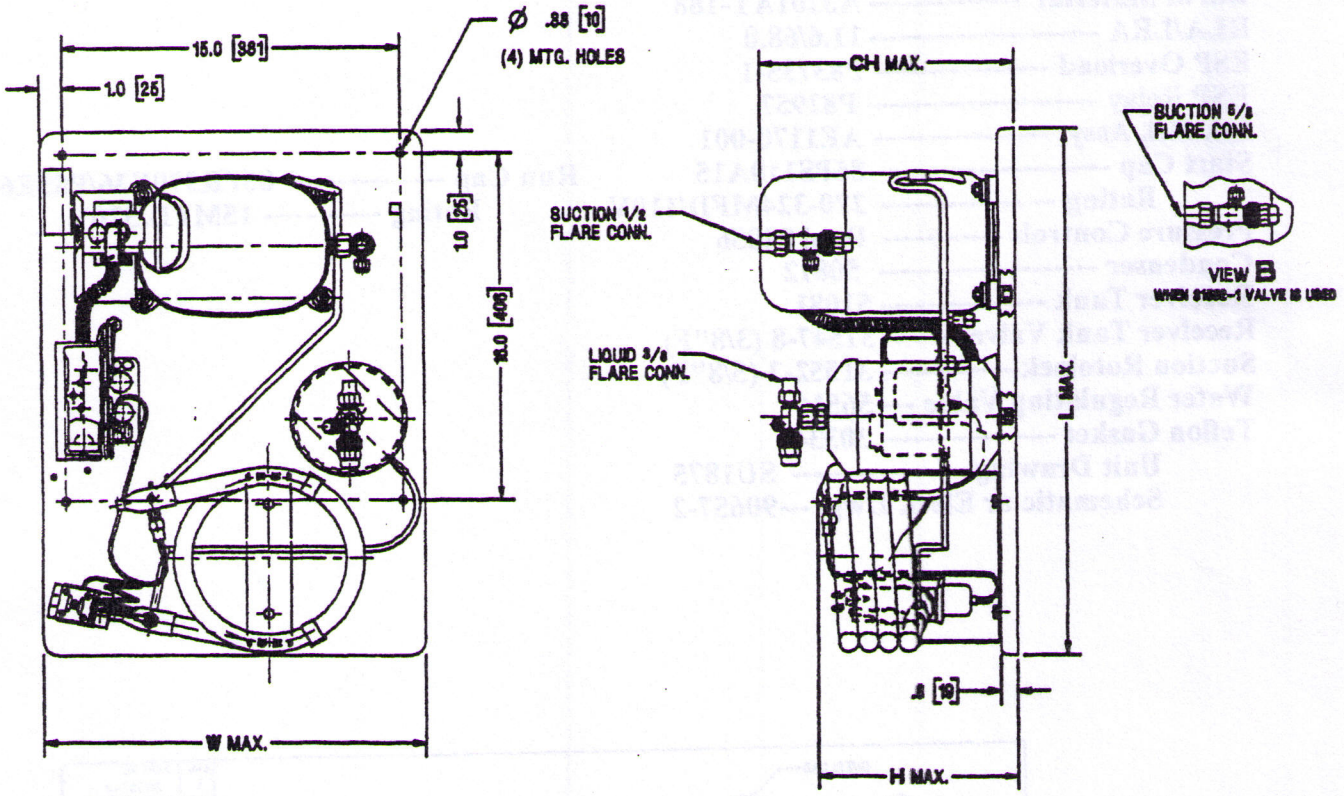
TECUMSEH HERMETIC CONDENSING UNITS

April 1, 1997

Rev 2/2001

MODEL AJA7465AXAXW (B/M 2A730-9) R-12 3/4 HP WATER COOLED



NOTE: DIMENSION = INCHES (MILLIMETERS)

AB

Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CF M	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AJA7465AXAXW	24.0	17.0	9.0	12.0	1/2 F	3/8 F	5.3#	---	22	98

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections Use 3/8" Min Pipe Size
Factory charge: 12 psig nitrogen - **MUST BE EVACUATED** **60 HZ Performance** **Water Valve Inlet 3/8" NPT**

Performance: Ambient 90° F-Return Gas 65° F-Condenser Water In 75°E F-Head 125 psig

Evaporator Temp, °F	-10	0	+10	+20	+30
BTU/HR	3220	4580	6220	7990	9860
Water Usage – gpm	.23	.42	.61	.82	1.33
Watts	645	773	900	1027	1153

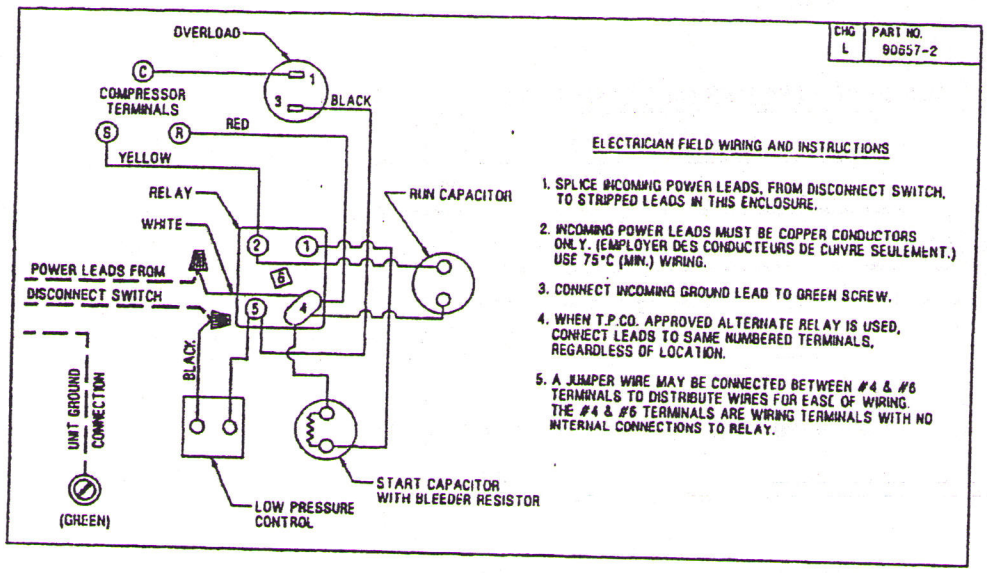
The water valve should be adjusted to maintain a maximum of 95° F water outlet temperature in order to minimize water scaling within the condenser.

Date: 4-1-97
Revision #1 2000

SPECIFICATIONS AJA7465AXAXW

Nominal Voltage ---------- 115-60-1
Unit B/M ---------- 2A730-9
Voltage Range ---------- 126.5 to 103.5
Min. Circuit Ampacity ----- 14.5
Max. Fuse Size (Amps) ----- 25
Compressor Model ---------- AJA7465AXA
Bill of Material ---------- AJ201AT-188
RLA/LRA ---------- 11.6/68.0
ESP Overload ---------- P83735-1
ESP Relay ---------- P82957
Int. Rel. Assy. ---------- AE1170-001
Start Cap ---------- 85PS110A15
Rating ---------- 270-324MFD/110V
Pressure Controls ---------- Dual 84056
Condenser ---------- 50812
Receiver Tank ---------- 51081
Receiver Tank Valve ------- 31547-8 (3/8"F)
Suction Rotolock ---------- 31552-3 (5/8"F)
Water Regulating Valve --- 56516
Teflon Gasket ---------- 30334
Unit Drawing ---------- SU1875
Schematic or Elect. Dwg. ---90657-2

Run Cap ---------- 85PR370E36/P85E69
Rating ---------- 15MFD/370V


CHG L
PART NO. 90657-2
OVERLOAD
COMPRESSOR TERMINALS
C
S
R
BLACK
RED
YELLOW
RELAY
WHITE
RUN CAPACITOR
POWER LEADS FROM DISCONNECT SWITCH
BLACK
UNIT GROUND CONNECTION
(GREEN)
LOW PRESSURE CONTROL
START CAPACITOR WITH BLEEDER RESISTOR
ELECTRICIAN FIELD WIRING AND INSTRUCTIONS
1. SPLICE INCOMING POWER LEADS, FROM DISCONNECT SWITCH, TO STRIPPED LEADS IN THIS ENCLOSURE.
2. INCOMING POWER LEADS MUST BE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVRE SEULEMENT.) USE 75°C (MIN.) WIRING.
3. CONNECT INCOMING GROUND LEAD TO GREEN SCREW.
4. WHEN T.P.CO. APPROVED ALTERNATE RELAY IS USED, CONNECT LEADS TO SAME NUMBERED TERMINALS, REGARDLESS OF LOCATION.
5. A JUMPER WIRE MAY BE CONNECTED BETWEEN #4 & #6 TERMINALS TO DISTRIBUTE WIRES FOR EASE OF WIRING. THE #4 & #6 TERMINALS ARE WIRING TERMINALS WITH NO INTERNAL CONNECTIONS TO RELAY.